

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A liquid crystal display device, wherein gate conductive lines are in direct electrical contact with a transparent electrode, each of the gate conductive lines comprising:

a first metal layer formed from a first metal; and

a heat generated alloy layer ~~formed from an alloy of the first metal and another metal is disposed at an upper portion of the first metal layer~~ on the surface of the first metal layer by heat generated by depositing a second metal on the first metal layer,

wherein the second metal is removed so that the heat generated alloy layer is exposed to the surface of a first metal layer and directly connected to the transparent electrode.

2. (Previously Presented) The liquid crystal display device according to claim 1, wherein the first metal of the gate conductive lines includes an aluminum-alloy.

3. (Original) The liquid crystal display device according to claim 1, wherein the first metal layer has a thickness of about 2000 to 3000Å.

4. (Currently Amended) The liquid crystal display device according to claim 1, wherein the heat generated alloy layer is formed from an alloy including the first metal and a second metal deposited onto the first metal layer, wherein the second metal is subsequently removed.

5. (Original) The liquid crystal display device according to claim 4, wherein the second metal includes one of molybdenum and chrome.

6. (Previously Presented) The liquid crystal display device according to claim 1, wherein said gate conductive line includes one of a gate line, a gate electrode, and a gate pad.

7. (Canceled)

8. (Withdrawn) A method of fabricating a liquid crystal display device, comprising the steps of:

forming a first metal layer of a first metal on a substrate;

forming a second metal onto the first metal layer to form an alloy layer formed from an alloy including the first metal and a second metal disposed between the first metal and the second metal;

removing the second metal on the alloy layer;

patterning the first metal layer using a mask process to form a conductive line;

forming an insulating film having a contact hole on the alloy layer; and

forming a transparent electrode in electrical contact with the alloy layer via the contact hole.

9. (Withdrawn) The liquid crystal display device according to claim 8, wherein the first metal includes an aluminum-alloy.

10. (Withdrawn) The liquid crystal display device according to claim 8, wherein the first metal layer has a thickness of about 2000 to 3000Å.

11. (Withdrawn) The liquid crystal display device according to claim 8, wherein the second metal is one of molybdenum and chrome.

12. (Withdrawn) The liquid crystal display device according to claim 11, wherein the second metal has a thickness of about 100 to 500Å.

13. (Withdrawn) The liquid crystal display device according to claim 8, wherein said conductive line includes one of a gate line, a gate electrode, and a gate pad.

14. (Withdrawn) The liquid crystal display device according to claim 8, wherein said conductive line includes one of a data line, a source electrode, a drain electrode, and a data pad.

15. (Currently Amended) A liquid crystal display device, comprising:
a substrate;
a gate electrode disposed on the substrate;
a gate pad disposed on the substrate;
an insulating film disposed on the gate electrode and the gate pad;
an active layer disposed on the insulating film above the gate electrode;
an ohmic contact layer disposed on portions of the active layer;
a source electrode and a drain electrode disposed on the ohmic contact layer;
a passivation layer disposed on the source and drain electrodes;
a pixel electrode disposed on the passivation layer and contacting the drain electrode; and
a transparent electrode disposed on the passivation layer and contacts the gate pad,
~~wherein the gate electrode and the gate pad both include a first layer formed of a first metal and a second layer formed of a heat generated alloy of the first metal and a second metal disposed at an entire upper surface of the first layer directly contacting the transparent electrode~~
wherein the gate electrode and gate pad both include a first layer formed of a first metal and a second layer formed of a heat generated alloy formed on the surface of the first layer by heat generated by depositing a second metal on the first metal, the second metal is removed so that the heat generated alloy is exposed to the surface of a first metal layer and directly connected to the transparent electrode.

16. (Previously Presented) The liquid crystal display device according to claim 15, wherein the transparent electrode contacts the second layer of the gate pad.

17. (Previously Presented) The liquid crystal display device according to claim 16, wherein the transparent electrode is disposed within a via formed through the passivation layer and insulating film.

18. (Original) The liquid crystal display device according to claim 15, wherein the passivation layer covers side surfaces of the source and drain electrodes.

19. (Original) The liquid crystal display device according to claim 15, wherein the passivation layer is disposed on the insulating film.

20. (Original) The liquid crystal display device according to claim 15, wherein the passivation layer contacts a portion of the active layer between the source and drain electrodes.